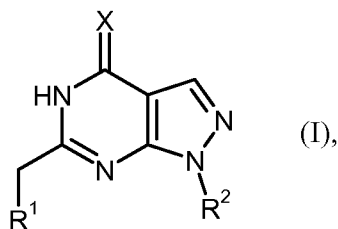


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A compound of the formula



in which

R¹ is phenyl which is substituted by 1 to 5 substituents independently of one another selected from the group of halogen, C₁-C₆-alkyl, trifluoromethyl, trifluoromethoxy, cyano, hydroxy, nitro and C₁-C₆-alkoxy,

R² is pentan-3-yl, C₄-C₆-cycloalkyl,

X is oxygen or sulfur,

and ~~the salts, solvates and/or solvates of the salts~~ a salt, a hydrate and/or a hydrate of a salt thereof.

2. (Currently amended) A compound as claimed in claim 1, where

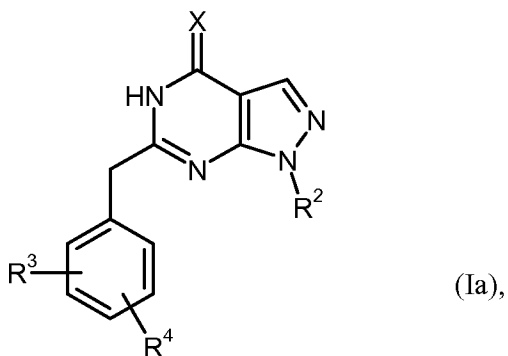
R¹ is phenyl which is substituted by 1 to 3 substituents independently of one another selected from the group of fluorine, chlorine, bromine, C₁-C₄-alkyl, trifluoromethyl, trifluoromethoxy, cyano, hydroxy, nitro and C₁-C₄-alkoxy,

R^2 is pentan-3-yl, C_5 - C_6 -cycloalkyl,

X is oxygen or sulfur,

and ~~the salts, solvates and/or solvates of the salts~~ a salt, a hydrate and/or a hydrate of a salt thereof.

3. (Currently amended) A compound as claimed in claim 1 of the formula



in which

R^3 is hydrogen or chlorine,

R^4 is fluorine, chlorine, bromine, methyl, trifluoromethyl,

R^2 is pentan-3-yl, cyclopentyl,

X is oxygen or sulfur,

and ~~the salts, solvates and/or solvates of the salts~~ a salt, a hydrate and/or a hydrate of a salt thereof.

4. (Currently amended) A compound as claimed in claim 1 of the formula (Ia), where

R^3 is hydrogen or chlorine,

R^4 is fluorine, chlorine, bromine, methyl, trifluoromethyl,

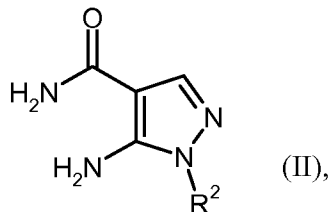
R^2 is pentan-3-yl, cyclopentyl,

X is oxygen,

and ~~the salts, solvates and/or solvates of the salts~~ a salt, a hydrate and/or a hydrate of a salt thereof.

5. (Currently amended) A process for preparing a compound ~~compounds~~ as claimed in claim 1, ~~characterized in that~~ wherein

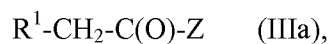
[A] a compound ~~compounds~~ of the formula



in which

R^2 has the meanings indicated in claim 1,

~~are~~ is converted by reaction with a compound of the formula



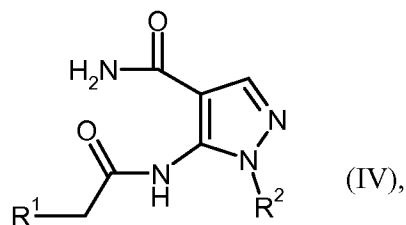
in which

R^1 has the meanings indicated in claim 1,

and

Z is chlorine or bromine,

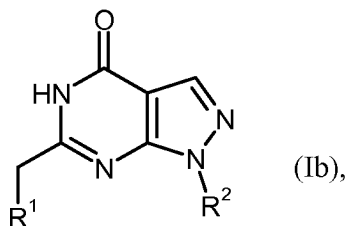
initially in the presence of a base into a compound ~~compounds~~ of the formula



in which

R^1 and R^2 have the meanings indicated in claim 1,

then cyclized in the presence of a base to compounds of the formula

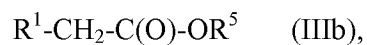


in which

R^1 and R^2 have the meanings indicated in claim 1,

or

[B] ~~a compound~~ ~~compounds~~ of the formula (II) ~~are~~ is reacted with direct cyclization to (Ib) with a compound of the formula



in which

R^1 has the meanings indicated in claim 1,

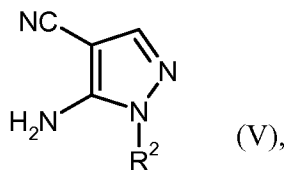
and

R^5 is methyl or ethyl,

in the presence of a base,

or

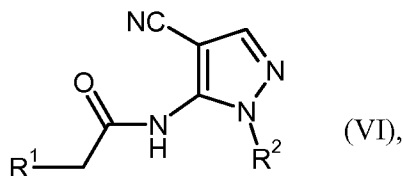
[C] ~~a compound~~ ~~compounds~~ of the formula



in which

R^2 has the meanings indicated in claim 1,

~~are~~ is converted initially by reaction with a compound of the formula (IIIa) in the presence of a base into a compound ~~compounds~~ of the formula

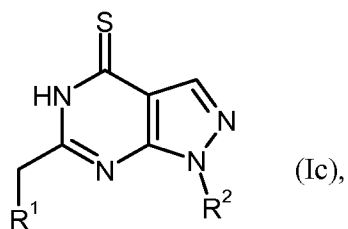


in which

R¹ and R² have the meanings indicated in claim 1,

and the latter are cyclized in a second step in the presence of a base and of an oxidizing agent to (Ib),

and ~~the compounds~~ a compound of the formula (Ib) ~~are~~ is then converted where appropriate by reaction with a sulfurizing agent into the thiono derivatives of the formula



in which

R¹ and R² have the meanings indicated in claim 1,

and the resulting ~~compound~~ compounds of the formula (I) ~~are~~ is reacted where appropriate with the appropriate (i) solvents and/or (ii) bases or acids to give the ~~hydrates solvates~~, salts and/or ~~hydrates solvates~~ of the salts thereof.

6. (Cancelled).
7. (Original) A medicament comprising at least one of the compounds as claimed in any of claims 1 to 4 and at least one pharmaceutically acceptable, essentially non-toxic carrier or excipient.
8. (Currently amended) A method for improving ~~the prophylaxis and/or treatment of~~ impairments of ~~perception, concentration,~~ learning and/or memory comprising administering to a human or animal an effective amount of a compound of claim 1.
9. (Previously presented) The method as claimed in claim 8, where the impairment is a consequence of Alzheimer's disease.
10. (Cancelled).
11. (Cancelled).
12. (Cancelled).
13. (Previously presented) The process of claim 5, wherein the sulfurizing agent is diphosphorus pentasulfide.